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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

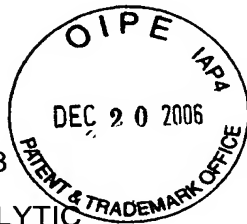
In re Patent Application of

Ju-yup Kim et al.

Application No.: 10/694,815

Filing Date: October 29, 2003

Title: ORGANIC ELECTROLYTIC
SOLUTION FOR ORGANIC LITHIUM
SULFUR BATTERY AND LITHIUM
SULFUR BATTERY USING THE
SAME



) MAIL STOP AMENDMENT

) Group Art Unit: 1745

) Examiner: JANE J. RHEE

) Confirmation No.: 4549

FOURTH
INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is a FOURTH Information Disclosure Statement (IDS) and accompanying form PTO-1449 for the above-identified patent application.

- ☐ No additional fee for submission of an IDS is required.
- ☐ The fee of \$ 180 as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☒ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$ 180 as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge _____ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of _____ is enclosed for the fee due.
- ☐ Charge _____ to credit card for the fee due. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

Date December 20, 2006

By: _____

Charles F. Wieland III
Registration No. 33096

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Attorneys & Government Relations Professionals

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Ju-yup Kim et al.

Application No.: 10/694,815

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For: ORGANIC ELECTROLYTIC SOLUTION)
FOR ORGANIC LITHIUM SULFUR)
BATTERY AND LITHIUM SULFUR)
BATTERY USING THE SAME)



MAIL STOP AMENDMENT

Group Art Unit: 1745

Examiner: JANE J. RHEE

Confirmation No.: 4549

FOURTH INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, applicants hereby cite certain documents identified in the Official Action issued by the Japanese Patent Office on November 21, 2006, concerning the corresponding Japanese patent application number 2003-387193, in conformance with the provisions of 37 C.F.R. §§ 1.97 and 1.98. A copy of the Japanese Official Action is attached hereto; however, an English translation is not presently available to the undersigned.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

The documents are being submitted after a first Office Action on the merits but prior to the closing of prosecution, therefore under 37 C.F.R. § 1.97(c), a statement is enclosed.

I, the undersigned, hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of this Information Disclosure Statement.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

Date: December 20, 2006

By:



Charles F. Wieland III
Registration No. 33096

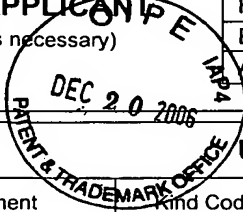
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**FOURTH
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 1

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|----------------------|-------------------|
| Application Number | 10/694,815 |
| Filing Date | October 29, 2003 |
| First Named Inventor | Ju-yup Kim et al. |
| Examiner Name | JANE J. RHEE |
| Attorney Docket No. | 1030681-000581 |

**U.S. PATENT DOCUMENTS**

| Examiner Initials | Document Number | Kind Code (if known) | Name of Patentee or Applicant of Cited Document | Issue/Publication Date (MM-DD-YYYY) |
|-------------------|-----------------|----------------------|---|-------------------------------------|
| | 6,991,874 | B1 | MÖHWALD et al. (Corr. to JP 2002-513986) | 01-31-2006 |
| | 2004/0188880 | A1 | BAUER et al. (Corr. to JP 2001-516496) | 09-30-2004 |
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| Examiner Initials | Document Number | Kind Code (if known) | Country | Date of Publication (MM-DD-YYYY) | STATUS | | | | | | |
|-------------------|-----------------|----------------------|---|----------------------------------|-------------|---------------------|--------------------|-----------------|------|----------|---------------|
| | | | | | Translation | Partial Translation | Eng. Lang. Summary | Official Action | IPER | Abstract | Cited in Spec |
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| | 2002-513986 | A | JP (Abstract is from Corres. WO99/57161; Corr. to USP 6,991,874B1) | 05-14-2002 | | | | X | | X | |
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NON-PATENT LITERATURE DOCUMENTS

| Examiner Initials | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |
|-------------------|---|
| | Official Action issued by the Japanese Patent Office in corresponding JP Application No. 2003-387193 on November 21, 2006 |
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| Examiner Signature | | Date Considered | |
|--------------------|--|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.